



Attorney's Docket No.: 05770-138001 / ASC-530

AF/280c

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : David M. Buczek et al.
Serial No. : 09/658,838
Filed : September 8, 2000
Title : POLYMER ENCAPSULATED CERAMIC SUPERCONDUCTORS

Art Unit : 2827
Examiner : Kamand Cuneo

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Commissioner for Patents
Washington, D.C. 20231

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RESPONSE

In response to the action mailed May 7, 2002, please amend the application as follows:

In the claims:

Cancel claim 6.

Amend claim the following claims.

- 1. (Twice Amended) A superconducting article, comprising:
a ceramic superconductor in the form of a superconducting tape, the ceramic superconductor having a length and an outer surface along its length; and
a sealing structure comprising a cured polymer layer encircling the outer surface of the ceramic superconductor, the cured polymer layer being configured to form a seal to prevent a cryogenic fluid at a pressure of about one atmosphere from infiltrating into the ceramic superconductor through the outer surface of the ceramic superconductor, wherein the superconducting article is in the form of a cable.

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